

UN7-12 (12V7.0Ah)

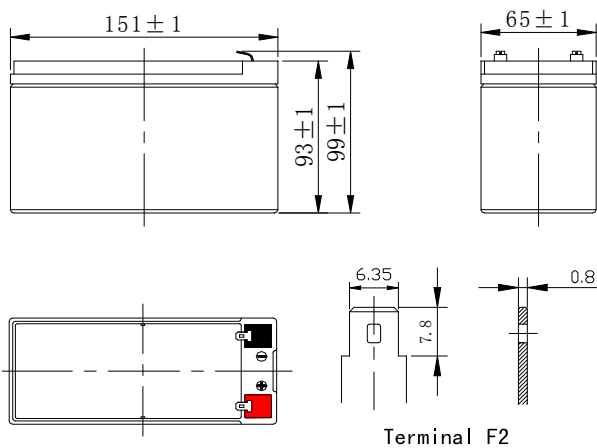
GENERAL FEATURES

- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte for air transport-complies with LATA/ICAO Special provision A67.
- Not restricted for air transport-complies with LATA/ICAO Special Provision A67.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications,
- Maintenance-free operation 12 years design life and 1 year warranty.
- Low self discharge.
- Case and cover available in both standard and flame retardant ABS.

SPECIFICATION

| | | | | |
|-------------------------------|-----|------------|--------------|-------------------|
| Nominal voltage | 12V | Dimensions | Total Height | 3.9inches(99mm) |
| Rated capacity (20 hour rate) | 7Ah | | Height | 3.66inches(93mm) |
| Number of cell | 6 | | Length | 5.94inches(151mm) |
| Approx. Weight (Kg / lbs) | 2KG | | Width | 2.56inches(65mm) |

Battery Dimensions



Characteristics

| | | |
|---|--|-------|
| Capacity 77° F (25°C) | 20 hour rate (0.35A、10.5V) | 7.0Ah |
| | 10 hour rate (0.66A、10.5V) | 6.6Ah |
| | 5 hour rate (1.2A、10.5V) | 6.0Ah |
| | 1 hour rate (4.2A、9.6V) | 4.2Ah |
| | 1C (7A、9.6V) | 32min |
| | 3C (21A、9.6V) | 7min |
| Internal Resistance | Full charged Battery 77° F (25°C) : 25m Ω | |
| Capacity affected by Temperature (20 hour rate) | 104° F (40°C) | 102% |
| | 77° F (25°C) | 100% |
| | 32° F (10°C) | 85% |
| | 5° F (-15°C) | 65% |
| Self-Discharge 68° F (20°C) | Capacity after 3 month storage | 90% |
| | Capacity after 6 month storage | 80% |
| | Capacity after 12month storage | 60% |
| Max. discharge current 77° F (25°C) : 105A (5S) | | |
| Charge (Constant Voltage) | Float: 13.6~13.8 V/77° F/(25°C) | |
| | Cycle: 14.5~14.9 V/77° F/(25°C) Max. Current: 1.75A | |

Constant power discharge ratings-watts per cell at 25°C(77° F)

| End Point Volts/Cell | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h |
|----------------------|------|-------|-------|-------|-------|------|------|------|------|
| 1.60V | 52.0 | 35.1 | 27.5 | 15.2 | 11.5 | 8.91 | 5.06 | 3.59 | 2.33 |
| 1.65V | 49.4 | 33.3 | 26.5 | 14.6 | 11.0 | 8.59 | 4.94 | 3.50 | 2.29 |
| 1.70V | 46.7 | 31.6 | 25.4 | 14.0 | 10.5 | 8.23 | 4.80 | 3.40 | 2.25 |
| 1.75V | 43.5 | 29.6 | 24.3 | 13.4 | 10.1 | 7.99 | 4.65 | 3.30 | 2.21 |
| 1.80V | 40.2 | 27.5 | 23.2 | 12.9 | 9.75 | 7.62 | 4.50 | 3.19 | 2.15 |

